



PCT10

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/048,197

DATE: 02/14/2002  
TIME: 15:20:17

Input Set : A:\EP.txt  
Output Set: N:\CRF3\02142002\J048197.raw

ENTERED

4 <110> APPLICANT: Joelle THONNARD  
6 <120> TITLE OF INVENTION: Novel Compounds  
9 <130> FILE REFERENCE: BM45399  
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/048,197  
C--> 11 <141> CURRENT FILING DATE: 2002-01-23  
11 <150> PRIOR APPLICATION NUMBER: 9918034.1  
12 <151> PRIOR FILING DATE: 1999-07-30  
14 <160> NUMBER OF SEQ ID NOS: 4  
16 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
18 <210> SEQ ID NO: 1  
19 <211> LENGTH: 336  
20 <212> TYPE: DNA  
21 <213> ORGANISM: Moraxella catarrhalis  
23 <400> SEQUENCE: 1  
24 atgttaaatac atcatattcg cctgactatt tccgctttac tgacggcact tttggttaaca 60  
25 ggttggtgtt ctactggtta tgttgcaatg aaagagcaaa accaacaac cattgagcag 120  
26 accatcatta agggcaagac caataagcaa gagatttcta gtagatttgg ttctgctgat 180  
27 agcatctctt ttatgatagt ggtaataaaa tttggacata ccgccatact cgctccaaac 240  
28 cgatggcaag aaattttatc cttataatt tcttttcttt gggtgaaacc atacagacca 300  
29 aagaacttgt cattttattt gacagcaaag gcatag 336  
31 <210> SEQ ID NO: 2  
32 <211> LENGTH: 111  
33 <212> TYPE: PRT  
34 <213> ORGANISM: Moraxella catarrhalis  
36 <400> SEQUENCE: 2  
37 Met Leu Asn His Ile Arg Leu Thr Ile Ser Ala Leu Leu Thr Ala  
38 1 5 10 15  
39 Leu Leu Val Thr Gly Cys Val Ser Thr Gly Asn Val Ala Met Lys Glu  
40 20 25 30  
41 Gln Asn Gln Gln Thr Ile Glu Gln Thr Ile Ile Lys Gly Lys Thr Asn  
42 35 40 45  
43 Lys Gln Glu Ile Ser Ser Arg Phe Gly Ser Ala Asp Ser Ile Ser Phe  
44 50 55 60  
45 Met Ile Val Val Ile Lys Phe Gly His Thr Ala Ile Leu Ala Pro Asn  
46 65 70 75 80  
47 Arg Trp Gln Glu Ile Leu Ser Leu Ile Ile Ser Phe Leu Trp Val Lys  
48 85 90 95  
49 Pro Tyr Arg Pro Lys Asn Leu Ser Phe Tyr Leu Thr Ala Lys Ala  
50 100 105 110  
52 <210> SEQ ID NO: 3  
53 <211> LENGTH: 987  
54 <212> TYPE: DNA  
55 <213> ORGANISM: Moraxella catarrhalis

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57 &lt;400&gt; SEQUENCE: 3

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58 atgagcatct ttatgaaaaa atctaccatc caatatttaa gcttaccaac tgctgcacta      60
59 ttaacgctgg ctggttgtag tcatgacaac caccgtgatg atgagatggc ggtggctgag      120
60 cctgtcgttc agcagattga tgacatttgc caagcaccag ccatgcaagc aaatctacaa      180
61 aatggtatca agcagtccat tcttgatgcc gtgatgagcc aaatgacgga tgcagacccc      240
62 aaccaacgcc tcgccataca aaataccatt ggtcagcagc tgaatacttt acaaatacacc      300
63 acccaaaatg ccacgaattt tgccgatagc tgtatggcgg atgtacatat aacggtaaac      360
64 cccaagatt tggcgaatgc agaatttgct tttgctcggt caggggtaac tttattacag      420
65 cgtgctagcc aagatcaagt tgagttttat aatggcacia ttgtcgccaa acaaataact      480
66 tatcaaatgg tcaatggtaa tgtggtgatg tatggcaaca atcataatgc cattcttctg      540
67 attgccgata ttttggcagc ttctacaagc agtttgccac aagtatccat acaatctgat      600
68 gttaccgcac gaccacaagc aattgagcga ctgccagagg caccaatagc tatgccatca      660
69 aatcctcaag aagattctag tgtaacgacg tacattgaac aaaagccagc acctaacgca      720
70 caggtgtcat ctgcgccacg cagcgagatg tcttcaaata attcagcaca gacaccacaca      780
71 caaaactcgg tagggcaatc ttctgcagct ggttagcacc ctcgtgtgga tcgtgatagt      840
72 caagccaaag ccaataccga gcgtaccacc gagcgttctg caaataagac atctcaagac      900
73 ttaccacacc cacagccacc aacggcgaat gccagtagtg atggcaaac aagtatcagt      960
74 atcgttgagt caaacgaaac ctattga

```

76 &lt;210&gt; SEQ ID NO: 4

77 &lt;211&gt; LENGTH: 328

78 &lt;212&gt; TYPE: PRT

79 &lt;213&gt; ORGANISM: Moraxella catarrhalis

81 &lt;400&gt; SEQUENCE: 4

```

82 Met Ser Ile Phe Met Lys Lys Ser Thr Ile Gln Tyr Leu Ser Leu Pro
83 1 5 10 15
84 Thr Ala Ala Leu Leu Thr Leu Ala Gly Cys Ser His Asp Asn His Arg
85 20 25 30
86 Asp Asp Glu Met Ala Val Ala Glu Pro Val Val Gln Gln Ile Asp Asp
87 35 40 45
88 Ile Cys Gln Ala Pro Ala Met Gln Ala Asn Leu Gln Asn Gly Ile Lys
89 50 55 60
90 Gln Ser Ile Leu Asp Ala Val Met Ser Gln Met Thr Asp Ala Asp Pro
91 65 70 75 80
92 Asn Gln Arg Leu Ala Ile Gln Asn Thr Ile Gly Gln Gln Leu Asn Thr
93 85 90 95
94 Leu Gln Ile Thr Thr Gln Asn Ala Thr Asn Phe Ala Asp Ser Cys Met
95 100 105 110
96 Ala Asp Val His Ile Thr Val Asn Pro Gln Asp Leu Ala Asn Ala Glu
97 115 120 125
98 Phe Ala Phe Ala Arg Ser Gly Val Thr Leu Leu Gln Arg Ala Ser Gln
99 130 135 140
100 Asp Gln Val Glu Phe Tyr Asn Gly Thr Ile Val Ala Lys Gln Ile Thr
101 145 150 155 160
102 Tyr Gln Met Val Asn Gly Asn Val Val Met Tyr Gly Asn Asn His Asn
103 165 170 175
104 Ala Ile Leu Leu Ile Ala Asp Ile Leu Ala Ala Ser Thr Ser Ser Leu
105 180 185 190
106 Pro Gln Val Ser Ile Gln Ser Asp Val Thr Ala Arg Pro Gln Ala Ile
107 195 200 205

```

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```

108 Glu Arg Leu Pro Glu Ala Pro Ile Ala Met Pro Ser Asn Pro Gln Glu
109      210                      215                      220
110 Asp Ser Ser Val Thr Thr Tyr Ile Glu Gln Lys Pro Ala Pro Asn Ala
111 225                      230                      235                      240
112 Gln Val Ser Ser Arg Pro Arg Ser Glu Met Ser Ser Asn Asn Ser Ala
113                      245                      250                      255
114 Gln Thr Pro Thr Gln Asn Ser Val Gly Gln Ser Ser Ala Ala Gly Ser
115                      260                      265                      270
116 Thr Pro Arg Val Asp Arg Asp Ser Gln Ala Lys Ala Asn Thr Glu Arg
117      275                      280                      285
118 Thr Thr Glu Arg Ser Ala Asn Lys Thr Ser Gln Asp Leu Pro His Pro
119      290                      295                      300
120 Gln Pro Pro Thr Ala Asn Ala Ser Ser Asp Gly Lys Thr Ser Ile Ser
121 305                      310                      315                      320
122 Ile Val Glu Ser Asn Glu Thr Tyr
123                      325

```

VERIFICATION SUMMARY

DATE: 02/14/2002

PATENT APPLICATION: US/10/048,197

TIME: 15:20:18

Input Set : A:\EP.txt

Output Set: N:\CRF3\02142002\J048197.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date